

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/05274

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 B41J25/308 B41J3/36 B43K8/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 B41J B43K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, IBM-TDB, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | PATENT ABSTRACTS OF JAPAN<br>vol. 1998, no. 05,<br>30 April 1998 (1998-04-30)<br>-& JP 10 006566 A (BROTHER IND LTD),<br>13 January 1998 (1998-01-13)<br>abstract<br>--- | 1-10                  |
| A          | US 2002/033871 A1 (KAISER RICHARD J)<br>21 March 2002 (2002-03-21)<br>paragraph '0060! - paragraph '0066!;<br>figures 9-11<br>---  | 1,2,5-8,<br>10        |
| A          | US 4 758 849 A (MARCH HARRY V ET AL)<br>19 July 1988 (1988-07-19)<br>column 2 -column 3<br>---   | 1,2,5-8,<br>10<br>-/- |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the International search

26 May 2004

Date of mailing of the International search report

03/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl  
Fax (+31-70) 340-3016

Authorized officer

Van Oorschot, J

**INTERNATIONAL SEARCH REPORT**International Application No  
**PCT/IB 03/05274**

| <b>C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT</b> |  |                              |
|---|--|------------------------------|
| <b>Category</b>   | <b>Citation of document, with indication, where appropriate, of the relevant passages</b>  | <b>Relevant to claim No.</b> |
| A   | US 6 550 997 B1 (SILVERBROOK KIA ET AL)<br>22 April 2003 (2003-04-22)<br>column 3, line 6 – line 16<br>column 4, line 35 – line 38<br>column 7, line 18 – line 30<br>--- | 1,2,5-10                     |
| A   | EP 0 925 949 A (CANON KK)<br>30 June 1999 (1999-06-30)<br>column 6 –column 19<br>---   | 1-3,5-9                      |
| A   | EP 0 971 308 A (RIEDEL THOMAS DR)<br>12 January 2000 (2000-01-12)<br>paragraph '0005!<br>---   | 1,3,4                        |
| A   | DE 22 17 162 A (NEUHAUS GOTTFRIED)<br>18 October 1973 (1973-10-18)<br>-----  |                              |

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB 03/05274

| Patent document cited in search report |    | Publication date | Patent family member(s) |  | Publication date |
|--|----|------------------|-------------------------|--|------------------|
| JP 10006566                            | A  | 13-01-1998       | NONE                    |  |                  |
| US 2002033871                          | A1 | 21-03-2002       | US 6394598 B1           |  | 28-05-2002       |
|  |    |                  | US 2001013887 A1        |  | 16-08-2001       |
|  |    |                  | AU 5584801 A            |  | 26-11-2001       |
|  |    |                  | CA 2409419 A1           |  | 22-11-2001       |
|  |    |                  | EP 1284864 A1           |  | 26-02-2003       |
|  |    |                  | WO 0187629 A1           |  | 22-11-2001       |
|  |    |                  | CA 2234840 A1           |  | 28-10-1998       |
| US 4758849                             | A  | 19-07-1988       | NONE                    |  |                  |
| US 6550997                             | B1 | 22-04-2003       | US 2003118394 A1        |  | 26-06-2003       |
| EP 0925949                             | A  | 30-06-1999       | JP 11198379 A           |  | 27-07-1999       |
|  |    |                  | EP 0925949 A2           |  | 30-06-1999       |
|  |    |                  | JP 11240147 A           |  | 07-09-1999       |
|  |    |                  | US 2002186280 A1        |  | 12-12-2002       |
|  |    |                  | US 6286927 B1           |  | 11-09-2001       |
|  |    |                  | US 2001043246 A1        |  | 22-11-2001       |
| EP 0971308                             | A  | 12-01-2000       | EP 0971308 A1           |  | 12-01-2000       |
| DE 2217162                             | A  | 18-10-1973       | DE 2217162 A1           |  | 18-10-1973       |